



PATENT  
Attorney Docket No. 2207/12665  
Appl. No. 10/020,911

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Assignee:** Intel Corporation

**Inventor:** VANDENTOP, Gilroy J. et al.

**Application No.:** 10/020,911

**Filed:** December 19, 2001

**TC/Art Unit:** 2827

**Examiner:** ZARNEKE, DAVID A.

**Docket No.:** 2207/12665

**Customer No.** 23838

**Serial No.:** 10/020,911

**Title:** ELECTRICAL/OPTICAL INTEGRATION SCHEME USING  
DIRECT COPPER BONDING

COMMISSIONER FOR PATENTS  
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**RESPONSE TO OFFICE ACTION**

In response to the Office Action mailed on June 18, 2003, Applicants submit the following: